



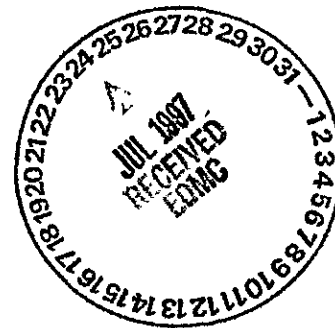
U.S. Department of Energy

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MAY 31 1997



Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352-0539

Dear Mr. Sherwood:

118-C-4 HORIZONTAL ROD CAVE CHARACTERIZATION PLAN, DOE/RL-97-33, DRAFT A

Please find attached the subject document for review and approval. This document complies with the decision to perform waste management activities for the 118-C-4 Horizontal Rod Cave under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980.

This report should provide technically complete and accurate information to appropriately designate waste streams generated during demolition of the rod cave.

The 118-C-4 Horizontal Rod Cave is a concrete bunker covered with an overlay of dirt and gravel. Characterization of this facility will entail the performance of radiological surveys. If the detailed surveys indicate high contamination, concrete samples (chips or drill cuttings) will be taken and analyzed. The characterization is expected to be performed within one week. Emission controls will consist of the use of water misting to stabilize surfaces being sampled. Monitoring will be routine radiological control surveys performed during the sampling event. The calculated potential unabated offsite dose during sampling activities would be $1.08 \text{ E-08 mrem/yr}$. Assumptions and calculations are shown in the attachment.

If you want to discuss this matter further or require additional information, please contact Mr. D. C. Smith at 372-1544.

Sincerely,

James D. Goodenough, Senior Project Manager
Restoration Projects

DDP:DCS

Attachment

cc w/attach:
D. B. Encke, CHI
D. A. Faulk, EPA
J. J. McGuire, BHI